

**To:** Lisichenko, Peter[lisichenko.peter@epa.gov]; Tim Benton (Tim.Benton@WestonSolutions.com)[Tim.Benton@WestonSolutions.com]; R. Conway[R.Conway@WestonSolutions.com]; Michael Lang[Michael.Lang@WestonSolutions.com]  
**Cc:** Pellegrino, Carl[Pellegrino.Carl@epa.gov]  
**From:** Daly, Eric  
**Sent:** Wed 1/25/2017 5:55:07 PM  
**Subject:** NFB Sampling Drill-Trees/Pace Lab/TDD

Good Afternoon All:

## **Trees**

Thanks Pete for the feedback and call this morning regarding the trees. With all the input I think we will be using chain saw to cut a cross section sample from each tree base, then putting that sample aside so we can continue to gamma survey and stage trees. The sample then will be taken to the GNBC Warehouse 4 for storage and eventual sample collection. Sample collection will include securing the cross section of wood allowing for an opening beneath. A lined collection container will be placed below. Using an electric drill (rented by GES), we will use a spade drill bit to obtain wood shaving samples from the radius of each tree sample circumference. We will dry decon the bit in between sampling. We will run the samples on the HpGe as time allows.

## **Pace Lab**

Can we please get an update on the analytical results for our outstanding site samples (NFB Area 5 Confirmation/Low concentration pile, HTC and 738 UMR) from Pace? If we can get some preliminary results from the initial qualitative gamma spec, status of alpha spec and then finally when to expect the 21 day in growth gamma spec, I would appreciate it.

## **Weston TDD**

Tim, I will send out a separate email but I want to figure out what TDD need to be authorized additional hours and what TDD do not for NFB Site.

Thanks

**From:** Lisichenko, Peter

**Sent:** Tuesday, January 24, 2017 1:50 PM

**To:** Daly, Eric <Daly.Eric@epa.gov>; Tim Benton (Tim.Benton@WestonSolutions.com) <Tim.Benton@WestonSolutions.com>; R. Conway <R.Conway@WestonSolutions.com>; Lang, Michael <Michael.Lang@WestonSolutions.com>

**Cc:** Pellegrino, Carl <Pellegrino.Carl@epa.gov>

**Subject:** RE: NFB Sampling Drill-Trees

Getting a cross-sectional core of a tree trunk is not as easy as you think. Lots of heat is generated and the bit tends to get bound up pretty easily. I would suggest cutting a cross sectional slice via chain saw. With that slice, chip it down using the same chainsaw, you will want to place a bucket under the chip flap under the drive shaft (chips tend to collect there). Obviously, you will need to dry decon the chainsaw between samples (remove the chain bar and wipe down the bar and the area around the drive shaft, maybe use an air hose to clean the chain itself). The chips collected from the bucket can be placed into your plastic jars for analysis.

-Pete

Peter Lisichenko

U.S. EPA Region 2  
347-276-6251 (cell/text)

**From:** Daly, Eric

**Sent:** Tuesday, January 24, 2017 1:13 PM

**To:** Lisichenko, Peter <[lisichenko.peter@epa.gov](mailto:lisichenko.peter@epa.gov)>; Tim Benton (Tim.Benton@WestonSolutions.com) <Tim.Benton@WestonSolutions.com>; R. Conway <R.Conway@WestonSolutions.com>; Lang, Michael <Michael.Lang@WestonSolutions.com>

**Cc:** Pellegrino, Carl <Pellegrino.Carl@epa.gov>

**Subject:** RE: NFB Sampling Drill-Trees

We aren't sending this out to the lab. We are performing on site with HpGe. We want to get a good cross section of the tree base by obtaining wood shavings. This will be put in our sample jars and analyzed the same way we are analyzing the wood chips now. These are not dried out trees.

**From:** Lisichenko, Peter

**Sent:** Tuesday, January 24, 2017 1:07 PM

**To:** Daly, Eric <[Daly.Eric@epa.gov](mailto:Daly.Eric@epa.gov)>; Tim Benton ([Tim.Benton@WestonSolutions.com](mailto:Tim.Benton@WestonSolutions.com)) <[Tim.Benton@WestonSolutions.com](mailto:Tim.Benton@WestonSolutions.com)>; R. Conway <[R.Conway@WestonSolutions.com](mailto:R.Conway@WestonSolutions.com)>; Lang, Michael <[Michael.Lang@WestonSolutions.com](mailto:Michael.Lang@WestonSolutions.com)>

**Cc:** Pellegrino, Carl <[Pellegrino.Carl@epa.gov](mailto:Pellegrino.Carl@epa.gov)>

**Subject:** RE: NFB Sampling Drill-Trees

How about having ERRS cut a cross-section out of the trunk (1" thickness) with a chainsaw and then cut a "pizza slice" of the cross-section that would be sent to the lab for analysis?

-Pete

Peter Lisichenko

U.S. EPA Region 2  
347-276-6251 (cell/text)

**From:** Daly, Eric

**Sent:** Tuesday, January 24, 2017 1:02 PM

**To:** Tim Benton ([Tim.Benton@WestonSolutions.com](mailto:Tim.Benton@WestonSolutions.com)) <[Tim.Benton@WestonSolutions.com](mailto:Tim.Benton@WestonSolutions.com)>; R. Conway <[R.Conway@WestonSolutions.com](mailto:R.Conway@WestonSolutions.com)>; Lang, Michael <[Michael.Lang@WestonSolutions.com](mailto:Michael.Lang@WestonSolutions.com)>

**Cc:** Pellegrino, Carl <[Pellegrino.Carl@epa.gov](mailto:Pellegrino.Carl@epa.gov)>; Lisichenko, Peter <[lisichenko.peter@epa.gov](mailto:lisichenko.peter@epa.gov)>

**Subject:** NFB Sampling Drill-Trees

Hi Tim:

How are you? We need an electric drill and bit to obtain wood chip samples from the trees here at the NFB Site. Since this is sampling and will be performed by Weston, can you advise us on how to procure the drill/bit through Weston? Rental? Purchase?

Thanks

Regards,

Eric M. Daly  
On-Scene Coordinator/Radiological Response Specialist  
US Environmental Protection Agency- Region II

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"We must, indeed, all hang together, or assuredly we shall all hang separately", Benjamin Franklin